

Two channel conductivity measurement for water and waste water treatment

Two channel conductivity measuring system with flow-through housing for mounting in pipes

1 piece

Multi Parameter Controller

microprocessor based Multi Parameter Controller for maximum 4 internal and up to 12 external measuring modules, with 2 pieces measuring modules for measuring of conductivity and temperature on separated measuring places or difference – or duplicate measurement (additional extension for further parameters is possible, i.e. for dissolved oxygen, pH-value, redox/ORP); isolated inputs; electromagnetic compatibility to 89/336/EWG; EN 61326, NAMUR recommendation NE 21,

measuring ranges: 0 ... 100 mS/cm; -10 ... 80°C;

corrosion and weather resistant aluminium case with protection standard IP 65 (suitable for wall mounting and with additional accessory for post mounting) with strip compartment; power supply 115/230 V AC; 48 ... 63 Hz; about 25 VA; permissible ambient temperature -10°C ... 55°C; automatic temperature compensation; manual and automatic calibration; touch-screen display, back-lighted, for maximum 16 measuring parameters and device status; 4 analog outputs 0(4) ... 20 mA; measuring span for analog outputs free scaleable, digital interface RS-232 or RS-485 / CAN bus, integrated data logger (for about 50,000 values); log-book for storage of parameter alterations, calibration values and error registrations (about 200 activities); 4 on/off floating control relay outputs for switch and alarm function, configurable in any combination, maximum 5 A, 250 V AC, optional controller module with 2 selectable PID controller (for control of valves and dosing pumps) as constant analog-, pulse length- or pulse frequency controller

Type: KM 2000

2 pieces

Flow-Through Housing

bevel seat flow-through housing for insertion of one conductivity cell with built-in temperature probe, 1 port PG 13.5; application in pipes by means of DN 20 glue port (other ports available on request like hose connection or screw connection); material PVC; max. pressure 5 bar (40°C); max. temperature 50°C

Type: AD 92

2 pieces

Conductivity Cell

plastic body, \varnothing 12 mm, immersion length 120 mm; 2 parallel graphite electrodes (made of special graphite), nearly maintenance free cell; with built-in temperature probe Pt 1000; cell constant about 1 cm^{-1} ; Multipin PG 13.5 threaded SixPlug plug head; measuring range 0...20 mS/cm; temperature range - 5...80°C, max. pressure 6 bar

Type: LTC 1/23 SMEK

2 pieces

Connection Cable

rugged multipin screened cable for connection between Controller and conductivity cell with built-in temperature probe Pt 1000, SixPlug plug head cable socket (protection standard IP 67)/other side stripped tinned ends for connection with Controller, cable \varnothing about 5 mm; standard length 10 m;

Type: K 18/10

1 piece

Accessories and Replacement Parts

1000 ml conductivity standard solution 0.1 N KCl (12.9 mS/cm, 25°C)

Type: Conductivity Standard Solution 0.1 N KCl